

## CIP EXPENSE DETAIL

**DATE OF COUNCIL CONSIDERATION:**  
**CONTACT DEPARTMENT(S):**

Austin Water Utility

**SUBJECT.** Authorize execution of a construction contract with BRH-GARVER CONSTRUCTION, L.P., for the Boggy Creek Waterline Replacement project in the amount of \$1,990,150 plus a \$99,507.50 contingency, for a total contract amount not to exceed \$2,089,657.50.

**CURRENT YEAR IMPACT:**

<b>Department:</b>	<b>Austin Water Utility</b>
Project Name:	Boggy Creek Water Line Replacement
Fund/Department/Unit:	3960 2207 7292
Funding Source:	Commercial Paper
Current Appropriation:	2,530,877.00
Unencumbered Balance:	2,150,738.50
Amount of This Action:	(2,089,657.50)
Remaining Balance:	<u>61,081.00</u>
 Total Amount of this Action	 <u><u>2,089,657.50</u></u>

**ANALYSIS / ADDITIONAL INFORMATION:** This project began in February 2012 to replace the existing water line crossing immediately east of the US 183 - Ed Bluestein bridge over Boggy Creek. The existing water line has washed out on multiple occasions due to severe stream bank erosion. It is no longer in service and cannot be repaired in its current configuration. Replacement of the water line via tunneling was the method selected in order to restore system capacity and reliability in the area, while eliminating the threat of damage from future stream bank erosion along Boggy Creek. This project was designed to accommodate the future US 183 expansion based on plans provided by the Texas Department of Transportation and the Central Texas Regional Mobility Authority.

This project is located approximately 1.75 miles north of the Colorado River on US 183 – Ed Bluestein Boulevard in southeast Austin. Specifically, the water line crossing is immediately adjacent to the northbound lanes of the US 183 bridge at Boggy Creek. This project includes the installation of 690 linear feet of 36-inch water pipe installed by tunneling at depths of 30-90 feet below the existing ground elevation. The tunnel depth and length places the new water line approximately 20 feet below the stream bed, and beyond the anticipated areas of stream bank erosion. The repair of this line will significantly improve service, safety, and reliability for both residential and several large commercial water users in the area.

Due to the potential for plan changes and unforeseen conditions, a 5% contingency in funding has been included to allow for the expeditious processing of any change orders.

The contract allows 270 calendar days for completion of this project. This project is located within zip code 78725 and is managed by the Public Works Department.